

# **2002 SEED SUMMARY REPORT INSPECTION RESULTS**



**PLANT INDUSTRIES DIVISION  
BUREAU OF FEED AND SEED**

**LOWELL MOHLER, DIRECTOR**

## **Missouri Department of Agriculture Mission Statement**

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To serve, promote, and protect the agricultural producers, processors,  
and consumers of Missouri's food, fuel, and fiber products.

## **FOREWORD**

The seed report is comprised of two sections.

Section One is intended to show the reliability of labelers in meeting their claims for seed quality. Inspections listed in this section were planned on random basis, with no intentional bias, for the purpose of providing a means of comparing each labeler's reliability in meeting claims. The greater the number of samples taken per labeler, the greater the probability that the consistency in meeting claims shown will represent the labeler's actual performance.

Section Two is comprised of selective inspections designed specifically to curtail labeling and licensing violations of Seed Law. Examples of violations are selling seed without a seed permit, selling seed out of test date, and labeling omissions or inconsistencies with the law.

Stop sales are debited to the labeler if a discrepancy from the labeler's claim is found. If a lot of seed is found to be offered for sale past the time allowed on the existing germination test date, that violation is charged against the possessor of the seed. Violations recorded against the possessor of the seed are listed in Section Two.

All inspections were performed to fulfill the regulatory responsibilities given the Missouri Department of Agriculture by the Missouri Seed Law, Statute Sections 226.011 through 266.111 (RSMo 2000).

## **INTRODUCTION**

The Missouri Department of Agriculture, Plant Industries Division, Bureau of Feed and Seed is pleased to publish the 2002 Seed Summary Report and Inspection Results.

The quality of seed in Missouri in 2002 was improved compared to 2001. Three thousand three hundred fifty eight (3,358) lots of seed were officially sampled and tested. One hundred fifty one (151) Stop-Sale Orders were issued for seed failing to meet its labeled guarantees. This resulted in a compliance rate of 95.50% compared to 93.72% in 2001.

The Missouri Seed Control Laboratory tested 1237 service samples in 2002. A total of 4,595 seed samples were tested in 2002 resulting in a total of 10,868 individual tests performed.

Free testing of out of date (germination) of retail or wholesale carry over seed will be discontinued in 2003 due to budget restraints. Free testing of unlabeled seed not intended for resale, but intended for planting on a Missouri farm operated by the requester will be done during the periods of June 1 to August 31 and November 1 thru January 15.

All seed retailers are required to have their on-hand carry over seed retested for germination every 10 months (counting the month the seed was retested.) The new test date must appear on all labels. Lots of seed found to be out of test date will be placed on Stop Sale Order until such time as the seed has been tested and new test date is placed on label with any change in germination rate or the seed is disposed of in an acceptable manner. In 2002, 76 field written Stop Sale Orders were issued mainly on out of test date seed.

The Bureau of Feed and Seed offers many seed sampling and seed testing services. The charges for analysis and analytical reports on seed samples are listed in the Missouri Seed Law Rules 2CSR 70-35.050.

For more information concerning the services offered by the Bureau of Feed and Seed, contact the Feed and Seed Inspector in your area or write, call, fax or E-mail the office at:

**Missouri Department of Agriculture**  
**Plant Industries Division**  
**P.O. Box 630**  
**Jefferson City, MO 65102**  
Becky Lueckenotte@mail.mda.state.mo.us  
**(573) 751-4310 office; (573)-751-0005 Office Fax**  
**(573) 751-4340 Seed Laboratory; (573) 526-7777 Seed Laboratory Fax**  
**Or visit our website at www.mda.state.mo.us**  
**Plants, Grain, Feed & Seed**

## **PLANT INDUSTRIES DIVISION BUREAU OF FEED AND SEED**

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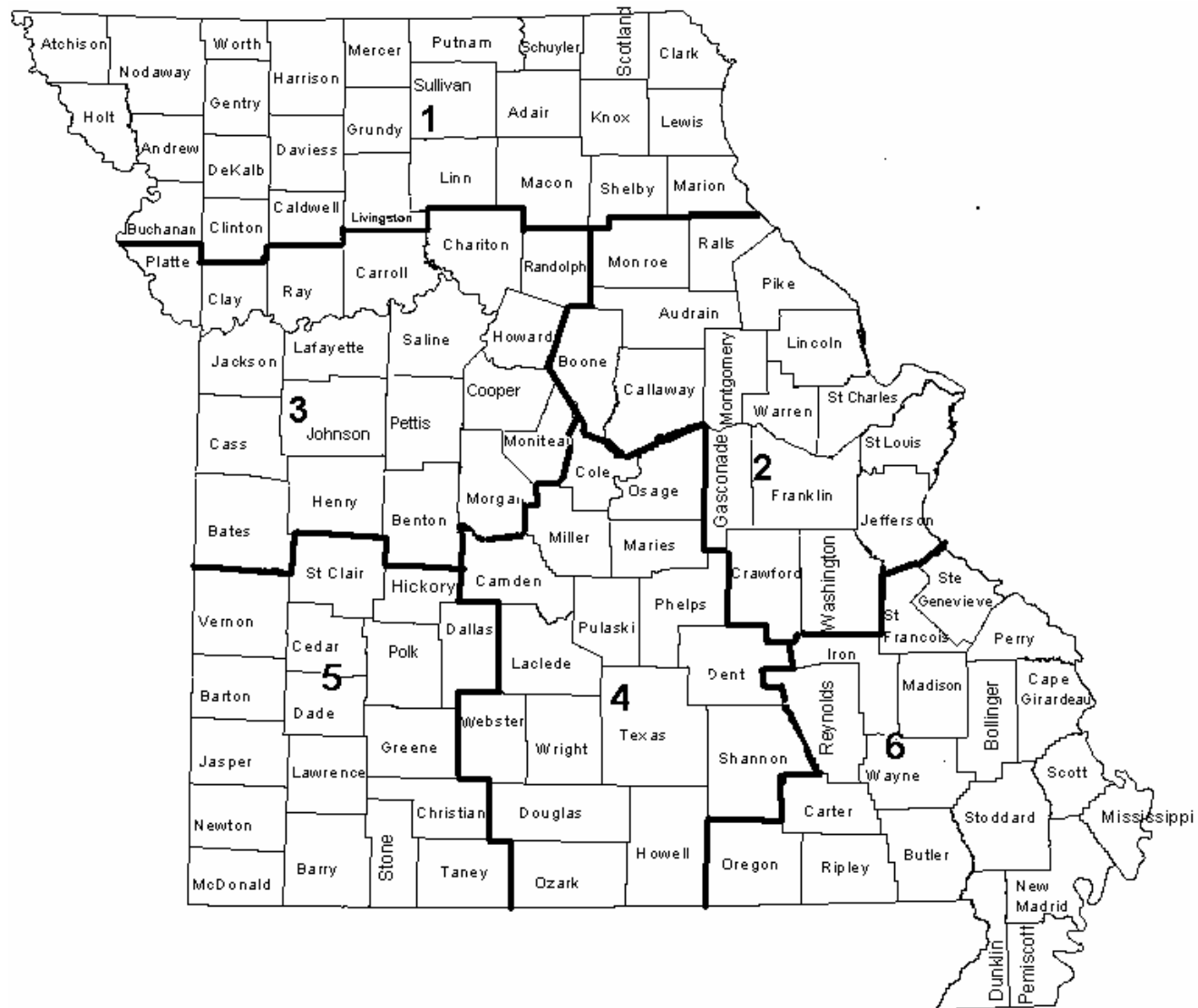
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## 2002 STATISTICAL SUMMARY SAMPLES ANALYZED FOR 2002

<b>OFFICIAL SAMPLES ANALYZED</b>	<b>3,358</b>
Purity	2,736
Noxious Weed	2,978
Germination	3,687
<b>TOTAL NUMBER OF LOTS IN VIOLATION</b>	<b>151</b>
<b>TOTAL OFFICIAL TESTS PERFORMED</b>	<b>9,401</b>
<b>COMPLIANCE RATE OF OFFICIAL SAMPLES ANALYZED</b>	<b>95.50%</b>
<b>SERVICE SAMPLES ANALYZED</b>	<b>1,237</b>
Purity	132
Noxious Weed	128
Germination	1,161
<b>TOTAL SERVICE SAMPLES TESTS PERFORMED</b>	<b>1,467</b>
<b>OTHER TESTS</b>	<b>46</b>
TZ	4
Cold Test	23
Cool Test	0
Fescue Endophyte	1
Feed Samples Analyzed for Noxious Weeds	5
Seed Count per pound	13
<b>TOTAL SAMPLES FOR 2002</b>	<b>4,595</b>
<b>TOTAL TESTS PERFORMED FOR 2002</b>	<b>10,868</b>
<b>SEED PERMITS ISSUED FOR 2002</b>	<b>4,279</b>

Information on samples, inspection of seeds, or service samples are available from the Bureau of Feed and Seed, 1616 Missouri Boulevard, Jefferson City, Missouri, 65109 or by calling (573) 751-5474.

## TRUENESS-TO-VARIETY TESTING PROGRAM FOR 2003

The Seed Regulatory and Testing Branch will be conducting Trueness-to Variety (TTV) field trials again in 2003.

We request your help again by submitting official samples for the field trials. The crops will be soybeans, spring small grains (wheat, barley, oat, rye, triticale) and the cole crops (cabbage, broccoli, cauliflower, collards.) The soybeans will be tested for Roundup resistance, as well as variety, and the cole crops will be a fall planting. The test sites, crops, cut-off dates and minimum sample sizes are given on the attached table.

For each sample we need to know the kind, variety name (as labeled), hybrid (if hybrid), and some identifying number. Lot number and brand are helpful. Any special comments are also welcome.

We emphasize interstate shipments, but this is not required. We are able to take quite a few samples, so don't be shy.

This program is intended for enforcement of Federal Seed Act variety labeling provision, and we hope may be of service to you in enforcing your State Seed Control Programs. Thank you for your continuing interest and participation in the program.

Site	Crops	Minimum Sample Size Grams	Approximate Number of Samples	Reps	Cut-Off Date	Planting Date
Maryland	Soybean	100	250	2	15- May	15-June
Texas	Soybean	100	300	2	15-May	15-June
Minnesota	Soybean	100	200	2	15-April	01-May
South Dakota	Spring small grains	30	250		15-April	01-May
Southern Unv	Cabbage, broccoli, cauliflower, collards	1	250		31-August	Fall
<b>Total</b>			<b>1250</b>			



## SUBMITTING SERVICE SAMPLES

➤ **Testing period for free seed analysis:**

June 1 through August 31

November 1 through January 15

➤ **Testing period for charges on seed analysis:**

January 16 through May 31

September 1 through October 31

➤ **Purity charges:**

One cultivar

\$12.00

More than one cultivar in same sample

\$18.00

Seed having less than 90% pure seed

\$10.00/hour

➤ **Germination charges (highly chaffy grasses, excluded)**

\$12.00

➤ **Other testing charges:**

<b>TZ</b>	<b>\$25.00</b>
<b>Highly chaffy seed</b>	<b>10.00/hour</b>
<b>Highly chaffy germ</b>	<b>\$14.00</b>
<b>Endophyte from growth</b>	<b>\$30.00</b>
<b>Endophyte from seed</b>	<b>\$20.00</b>
<b>Noxious and Prohibited weed seed</b>	<b>\$12.00</b>
<b>Complete Test (Including Purity, Germination, and Noxious Weeds)</b>	<b>\$36.00</b>
<b>Cold Test (Soybeans)</b>	<b>\$12.00</b>
<b>Cool Test (Cotton)</b>	<b>\$12.00</b>

## CRITERIA FOR OBTAINING A SERVICE SAMPLE

Forward your seed in containers adequate to protect the sample.  
Without proper sampling technique, test will not reflect true quality of the seed.

### ➤ **Bulk Lot seeds:**

Take a sample from several places.  
Mix the seed samples thoroughly.  
Make a composite sample.

### ➤ **Bagged Lot Seeds:**

Take sample from approximately 10% of the bags.  
Mix the seed samples thoroughly.  
Make a composite sample.

### ➤ **Size of sample needed for testing**

TYPE OF SEED	SAMPLE SIZE GERMINATION	SAMPLE SIZE PURITY
Soybeans	one quart	one-half gallon
Large Seeds (corn, cotton, small grain, sorghum)	one pint to one quart	one quart
Small seeds (grass, clover, alfalfa, lespedeza)	one-half pint	one quart

## SEED ANALYSIS SERVICE SAMPLE APPLICATION

Submit seed samples with request for analysis to: **State Seed Control Laboratory**  
**Department of Agriculture**  
**1616 Missouri Blvd. (65109)**  
**P.O. Box 630 (65102)**  
**Jefferson City, MO**

### PLEASE PRINT OR TYPE THE FOLLOWING INFORMATION:

**Lot number or ID of seed** \_\_\_\_\_ **Kind of Seed** \_\_\_\_\_

**Check the following  
analysis to be run:**

**Free** \_\_\_\_\_

**Charge** \_\_\_\_\_ (see page 7 for free & charge times)

**Germination** \_\_\_\_\_

**Purity** \_\_\_\_\_

**Noxious or prohibited  
weed seed content** \_\_\_\_\_

**Other (please specify)** \_\_\_\_\_

**Person planting this seed** \_\_\_\_\_

**Address** \_\_\_\_\_

(Route/Street No.)

(P.O. Box)

(City)

(State)

(Zip)

\_\_\_\_\_  
Phone number

# **SECTION ONE**

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

1

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
AG SOURCE SEEDS	2	2						
BOONE IA								
SOYBEANS	2	2						
AGREVO USA COMPANY	4	4						
COLLIERVILLE TN								
COTTON	4	4						
AGVENTURE INC	16	16						
KENTLAND IN								
CORN, FIELD	11	11						
SOYBEANS	5	5						
AHRENHOLTZ SEED	1	1						
MANILLA IA								
CORN, FIELD	1	1						
ARROW SEED CO	4	4						
BOWEN ILL								
SOYBEANS	4	4						
BARENBRUG USA	9	7	2	1	1			1
TANGENT OR								
MIXED SEED	5	4	1		1			
FESCUE, TALL	3	2	1	1				1
RYEGRASS, PERENNIAL	1	1						
BELL-MO SEED CO INC	7	7						
BELL CITY MO								
SOYBEANS	7	7						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

2

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
BELT FUR WOOL & SEED CO	9	9						
LEONARD MO								
LESPEDeza, KOREAN	1	1						
SOYBEANS	4	4						
WHEAT	4	4						
BENOIT WAYNE	1	1						
CENTRALIA MO								
SOYBEANS	1	1						
BEST SEED COMPANY	1	1						
ELDRED IL								
CORN, FIELD	1	1						
BOURN FEED	4	1	3	2	1			
COLUMBIA MO								
MIXED SEED	4	1	3	2	1			
BUCHHEIT INC	23	18	5	3		3		
PERRYVILLE MO								
MIXED SEED	3	1	2	2		1		
ALFALFA	1	1						
FESCUE, TALL	10	9	1			1		
MILLET	1	1						
ORCHARDGRASS	5	5						
REDTOP	1		1	1				
RYEGRASS, ANNUAL	1	1						
WHEAT	1		1			1		
BUCK FORAGE PRODUCTS	2	2						
STUTTGART AR								
OAT	1	1						
WHEAT	1	1						
BUCK ISLAND SEED CO	2	2						
TUNICA MS								
WHEAT	2	2						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

3

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
BULLARD SEED	2	2						
ASHLAND MO								
WHEAT	2	2						
BWI COMPANIES INC	6	4	2	1	1			
SPRINGFIELD MO								
MIXED SEED	5	3	2	1	1			
BERMUDAGRASS	1	1						
BWI COMPANIES INC	34	33	1					1
TEXARKANA TX								
MIXED SEED	17	17						
FESCUE, TALL	14	13	1					1
LESPEDeza, KOREAN	1	1						
RYEGRASS	1	1						
RYEGRASS, ANNUAL	1	1						
CARTER-COX SEED INC.	8	7	1		1			
KNOBEL AR								
RICE	3	2	1		1			
WHEAT	5	5						
CASHE RIVER VALLEY	11	11						
CASH AR								
MIXED SEED	1	1						
RICE	4	4						
SOYBEANS	1	1						
WHEAT	5	5						
CHESMORE SEED CO	6	6						
ST JOESPH MO								
VEGETABLE	6	6						
COLUMBIA GRAIN	1	1						
OHINOOK MT								
FIELD PEA	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

4

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
CONIDA SEED CO.	1	1						
HAZELTON ID								
VEGETABLE	1	1						
COOSEMAN FARMS	1	1						
PITTSBURG KS								
WHEAT	1	1						
CROP PRODUCTION SERVICES	5	5						
GALESBURG IL								
SOYBEANS	5	5						
CROPLAN GENETICS/	20	20						
FT DODGE, IA								
SOYBEANS	20	20						
CROWS	1	1						
KENLAND IN								
SOYBEANS	1	1						
CULLUM SEED CO	1	1						
FISHER ARKANSAS								
RICE	1	1						
CUTTING EDGE AGRI PRODUC	1	1						
LOWERY CITY MO								
LESPEDENZA	1	1						
DAMES FEED & SEED	3	3						
SIKESTON MO								
COWPEA	1	1						
VEGETABLE	2	2						



## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

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COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
DAVIS SEED FARM INC	1	1						
VANDALIA MO								
SOYBEANS	1	1						
DELTA & PINE LAND CO	65	65						
SCOTT MS								
MIXED SEED	2	2						
COTTON	56	56						
SOYBEANS	7	7						
DELTA GROW SEED	6	6						
ENGLAND AR								
SOYBEANS	6	6						
DESIGN INC	4	4						
WILLOWS CA								
VEGETABLE	4	4						
DISCOUNT SEEDS INC	7	4	3		2	2	1	
WATERTOWN SD								
OAT	1		1			1	1	
RYE	6	4	2		2	1		
DOMESTIC SEED & SUPPLY	1	1						
MADISON SD								
RYE	1	1						
DORSING SEEDS INC	4	4						
NYSSA OR								
VEGETABLE	4	4						
DOUBLE D SEEDS	1	1						
HALLSVILLE MO								
LESPEDeza	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

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COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
DYE SEED SERVICE	1	1						
MOREHOUSE MO								
RICE	1	1						
EL-MEL, INC.	1	1						
ST. CHARLES MO								
MIXED SEED	1	1						
EL-PAR STOCK & SEED FARM	3	3						
VERSAILLES MO								
BARLEY	2	2						
SOYBEANS	1	1						
EXCEL MILLING	1	1						
SYRACUSE MO								
FESCUE, TALL	1	1						
FARMERS AG CENTER	1		1			1		
MTN GROVE MO								
FESCUE, TALL	1		1			1		
FELDMAN'S	1	1						
BLUE SPRINGS MO								
FESCUE, TALL	1	1						
FERGUSON SEED FARMS	1	1						
GLASGOW MO								
SOYBEANS	1	1						
FERRY-MORSE SEED COMPANY	2	2						
FULTON KY								
MIXED SEED	1	1						
FESCUE, TALL	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

7

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
FONTENELLE HYBRIDS	3	3						
NICKERSON NE								
SOYBEANS	3	3						
FORDYCE SEED & SUPPLY	1		1					1
RIDGEWAY MO								
CLOVER, RED	1		1					1
FOREMAN FARM	1	1						
HANNIBAL MO								
CLOVER, RED	1	1						
FREEDOM SEED COMPANY	1	1						
ASTORIA IL								
CORN, FIELD	1	1						
G P ROSE & COMPANY INC	1	1						
NASHVILLE TN								
FESCUE, TALL	1	1						
GARST SEED	26	26						
SLATER IA								
ALFALFA	1	1						
SORGHUM, GRAIN	1	1						
SOYBEANS	24	24						
GEORGE KELLER & SONS CO	11	9	2		2			
QUINCY IL								
MIXED SEED	1	1						
ALFALFA	1	1						
CLOVER, RED	1	1						
FESCUE, RED	1	1						
FESCUE, TALL	4	2	2		2			
RYEGRASS, ANNUAL	1	1						
RYEGRASS, PERENNIAL	1	1						
TIMOTHY	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

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COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
GERLOFF, KENNETH NEW FLORENCE MO	4	3	1	1				
SOYBEANS	2	1	1	1				
WHEAT	2	2						
GRASS PAD WAREHOUSE OLATHE KS	13	13						
MIXED SEED	10	10						
FESCUE, TALL	3	3						
GREEN SEED CO INC SPRINGFIELD MO	62	46	16	3	11	1		3
MIXED SEED	15	14	1		1			
ALFALFA	3	2	1			1		
CLOVER	1	1						
CLOVER, ALSIKE	1	1						
CLOVER, LADINO & WHITE	1	1						
CLOVER, RED	3	2	1		1			
CLOVER, YELLOW SWEET	1	1						
FESCUE, RED	1	1						
FESCUE, TALL	12	5	7		7			1
LESPEDeza	1		1	1				1
LESPEDeza, COMMON	1	1						
LESPEDeza, KOREAN	1	1						
MILLET	1	1						
ORCHARDGRASS	7	4	3	2				1
RYEGRASS, ANNUAL	1	1						
RYEGRASS, PERENNIAL	2	2						
SORGHUM, SUDANGRASS	2	2						
TIMOTHY	1		1		1			
TREFOIL, BIRDSFOOT	2	1	1		1			
VEGETABLE	5	5						
GREEN VALLEY SEED INC KAHOKA MO	34	30	4		3	1		
ALFALFA	3	3						
CLOVER, LADINO & WHITE	1	1						
CLOVER, RED	3	3						
FESCUE, RED	1	1						
FESCUE, TALL	4	2	2		2			
LESPEDeza, KOREAN	5	4	1			1		
OAT	1	1						
ORCHARDGRASS	1	1						
RYEGRASS	2	2						
RYEGRASS, ANNUAL	2	2						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

9

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
GREEN VALLEY SEED INC								
KAHOKA MO								
RYEGRASS, PERENNIAL	1	1						
SOYBEANS	6	6						
TIMOTHY	1		1		1			
WHEAT	3	3						
HAAS SEED HOUSE	1	1						
ALBERS IL								
WHEAT	1	1						
HALDEMAN SEED COMPANY	11	10	1	1				1
LABELLE MO								
ALFALFA	1	1						
BROME, SMOOTH	1	1						
LESPEDeza, KOREAN	2	2						
OAT	1	1						
RYEGRASS	1		1	1				1
RYEGRASS, ANNUAL	1	1						
TIMOTHY	2	2						
TREFOIL, BIRDSFOOT	2	2						
HARRIS MORAN SEED CO	2	2						
MODESTO CA								
VEGETABLE	2	2						
HOFFMAN & REED INC.	6	6						
TRENTON MO								
WHEAT	6	6						
HOLLAR & CO INC	3	3						
ROCKY FORD CO								
VEGETABLE	3	3						
HUMMERT INTERNATIONAL	8	7	1		1			
EARTH CITY MO								
MIXED SEED	3	3						
FESCUE, RED	2	1	1		1			
RYEGRASS, ANNUAL	1	1						
RYEGRASS, PERENNIAL	2	2						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

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COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
J & J SEED CO	5	5						
GALLATIN MO								
SOYBEANS	4	4						
WHEAT	1	1						
JACKLIN SEED CO	1	1						
POST FALLS ID								
BERMUDAGRASS	1	1						
JAY TURNER	1	1						
COLUMBIA MO								
CLOVER, RED	1	1						
JOHNSON FEED STORE	2	2						
PIEDMONT MO								
OAT	1	1						
WHEAT	1	1						
JOHNSON SEED CO	1		1			1		
ASHBURN GA								
FESCUE, TALL	1		1			1		
JOHNSON SEED CO.	2	2						
ENID OK								
BERMUDAGRASS	2	2						
K-F SEEDS	3	3						
BRAWLEY CA								
MIXED SEED	2	2						
BERMUDAGRASS	1	1						
KEN MO AGRI CENTER	13	13						
KENNETT MO								
SOYBEANS	12	12						
WHEAT	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

11

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
KEN TEVIS SEED	2	2						
HUGHSVILLE MO								
SOYBEANS	2	2						
KESTNER'S GARDEN CENTER	3	3						
DEXTER MO								
VEGETABLE	3	3						
KING CITY SEED & STORAGE	38	38						
KING CITY MO								
ALFALFA	1	1						
CLOVER, RED	1	1						
SOYBEANS	33	33						
WHEAT	3	3						
KRUGER SEED COMPANY	3	3						
DIKE IA								
CORN, FIELD	1	1						
SOYBEANS	2	2						
LAND O LAKES INC	3	3						
FT DODGE IA								
SOYBEANS	3	3						
LAWHON FARM SUPPLY	13	13						
MC CRORY AR								
SOYBEANS	11	11						
WHEAT	2	2						
LAY SEED CO	1	1						
LABELLE MO								
WHEAT	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

12

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
LEBANON SEABOARD CORP	5	3	2	1	1			
BRISTOL IL								
MIXED SEED	4	3	1	1				
RYEGRASS, PERENNIAL	1		1		1			
LEETON ELEVATOR INC	1	1						
LEETON MO								
FESCUE, TALL	1	1						
LEMARS AGRI CENTER	1	1						
LEMARS IA								
OAT	1	1						
LESCO	11	11						
ROCKY RIVER OH								
MIXED SEED	9	9						
FESCUE, TALL	2	2						
MANGELSDORF SEED	1	1						
TEUTOPOLIS IL								
FESCUE, TALL	1	1						
MAYBERRY BROTHERS INC	1	1						
ESSEX MO								
WHEAT	1	1						
MC COLLUM WILLIAM	1	1						
COLUMBIA MO								
WHEAT	1	1						
MERSCHMAN SEEDS	12	12						
WEST POINT IA								
MIXED SEED	1	1						
SOYBEANS	10	10						
WHEAT	1	1						



## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

13

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
MFA AGRI SERVICE	1	1						
WENTZVILLE MO								
MIXED SEED	1	1						
MFA EXCHANGE	1		1		1			
CHILLICOTHE MO								
ORCHARDGRASS	1		1		1			
MFA INC. SEED DIVISION	168	154	14	5	6	3		2
COLUMBIA MO								
MIXED SEED	6	2	4	2	2			
ALFALFA	2	2						
BROME, SMOOTH	5	4	1		1			
BUCKWHEAT	1	1						
CLOVER, ALSIKE	1	1						
CLOVER, LADINO & WHITE	2	2						
CLOVER, RED	7	6	1			1		
CLOVER, YELLOW SWEET	1	1						
FESCUE, RED	1	1						
FESCUE, TALL	35	31	4	1	3			2
LESPEDeza	4	2	2			2		
LESPEDeza, KOREAN	4	4						
MILLET	1	1						
OAT	6	6						
ORCHARDGRASS	4	3	1	1				
RYE	1	1						
RYEGRASS	1	1						
RYEGRASS, PERENNIAL	2	2						
SORGHUM, GRAIN	1	1						
SOYBEANS	57	57						
TIMOTHY	8	8						
TRITICALE	1		1	1				
WHEAT	17	17						
MFA INCORPORATED	1	1						
COLUMBIA MO								
RYE	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

14

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
MFA SEED DIST	13	9	4	1	3			1
SEDALIA MO								
MIXED SEED	6	3	3		3			
FESCUE, TALL	1	1						
ORCHARDGRASS	1		1	1				1
RYEGRASS, ANNUAL	3	3						
RYEGRASS, PERENNIAL	2	2						
MFA SEED PROCESSING	1		1		1			
CALIFORNIA MO								
MIXED SEED	1		1		1			
MID-STATE SEED & STORAGE	21	19	2		1	1		
MARSHALL MO								
MIXED SEED	2	2						
BLUEGRASS, KENTUCKY	1	1						
BROME, SMOOTH	2	1	1		1			
CLOVER, RED	2	2						
FESCUE, RED	1	1						
FESCUE, TALL	3	2	1			1		
ORCHARDGRASS	2	2						
WHEAT	8	8						
MIDWEST GRAIN PRODUCTS	1		1	1				
ATCHISON KS								
MIXED SEED	1		1	1				
MIDWEST PREMIUM GENETICS	1	1						
CONCORDIA MO								
SOYBEANS	1	1						
MIDWEST SEED GENETIC INC	15	15						
CARROLL IOWA								
SOYBEANS	15	15						
MILBANK MILLS INC	1	1						
CHILLICOTHE MO								
WHEAT	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

15

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
MILLER SEED CO	8	7	1		1			
CLINTON MO								
MIXED SEED	1	1						
CLOVER, LADINO & WHITE	2	2						
FESCUE, RED	1	1						
FESCUE, TALL	1	1						
LESPEDeza	1	1						
LESPEDeza, KOREAN	1	1						
WHEAT	1		1		1			
MILLER SEED COMPANY	2		2	2		1		1
PEA RIDGE AR								
MIXED SEED	2		2	2		1		1
MISSOURI SOUTHERN SEED	300	280	20	9	5	3		4
ROLLA MO								
MIXED SEED	41	38	3	2				1
ALFALFA	11	11						
BERMUDAGRASS	1	1						
BLUEGRASS, KENTUCKY	8	8						
BROME, SMOOTH	14	13	1		1			
BUCKWHEAT	1	1						
CANARYGRASS, REED	5	5						
CLOVER	1	1						
CLOVER, ALSIKE	1	1						
CLOVER, CRIMSON	1	1						
CLOVER, LADINO & WHITE	9	9						
CLOVER, RED	31	30	1			1		
FESCUE, RED	3	3						
FESCUE, TALL	64	58	6	3	2	1		1
LESPEDeza	5	5						
LESPEDeza, KOREAN	14	12	2		1	1		
MILLET	2	2						
MILLET, FOXTAIL	1	1						
MILLET, JAPANESE	2	2						
ORCHARDGRASS	27	23	4	3				1
RAPE, WINTER	1	1						
REDTOP	4	3	1	1				
RYE	1	1						
RYEGRASS	3	3						
RYEGRASS, ANNUAL	7	6	1					1
RYEGRASS, PERENNIAL	16	16						
SORGHUM, SUDANGRASS	2	2						
SOYBEANS	1	1						
SWITCHGRASS	1	1						
TIMOTHY	10	10						
TREFOIL, BIRDSFOOT	4	3	1		1			

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

16

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
MISSOURI SOUTHERN SEED								
ROLLA MO								
VEGETABLE	1	1						
WHEAT	6	6						
MONSANTO CO	940	940						
ST LOUIS MO								
CORN, FIELD	167	167						
SORGHUM, GRAIN	12	12						
SOYBEANS	760	760						
SUNFLOWER	1	1						
MONSANTO SEED CO(ASGROW)	1	1						
MATTHEWS MO								
SOYBEANS	1	1						
MOORE HARDWARE	1	1						
WRIGHT CITY MO								
MIXED SEED	1	1						
MORNING SUN SEED	9	9						
WESTBORO MO								
OAT	1	1						
SOYBEANS	8	8						
MYCOGEN SEEDS	1	1						
EAGAN MN								
CORN, FIELD	1	1						
MYCOGEN SEEDS	4	4						
INDIANAPOLIS IN								
SORGHUM, GRAIN	1	1						
SOYBEANS	3	3						
NECO SEEDS	15	15						
GARDEN CITY MO								
SOYBEANS	11	11						
WHEAT	4	4						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

17

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
NIXA HARDWARE	37	31	6	3	1	2	1	2
NIXA MO								
MIXED SEED	4	1	3	2	1		1	2
ALFALFA	5	5						
BERMUDAGRASS	1	1						
CANARYGRASS, REED	1	1						
CLOVER	1	1						
CLOVER, ALSIKE	1	1						
CLOVER, LADINO & WHITE	2	1	1			1		
CLOVER, RED	3	3						
FESCUE, RED	1	1						
FESCUE, TALL	5	5						
LESPEDeza	1	1						
LESPEDeza, KOREAN	1		1			1		
ORCHARDGRASS	4	3	1	1				
RYE	1	1						
RYEGRASS, ANNUAL	3	3						
RYEGRASS, PERENNIAL	1	1						
TIMOTHY	1	1						
WHEAT	1	1						
NORTHROP KING & COMPANY	4	4						
MINNEAPOLIS MN								
SOYBEANS	4	4						
NORTHWEST MO SEEDS INC.	14	13	1		1			
UNION STAR MO								
CORN, FIELD	1	1						
SOYBEANS	13	12	1		1			
NOVARTIS SEED	53	53						
MINNEAPOLIS MN								
MIXED SEED	1	1						
CORN, FIELD	19	19						
SOYBEANS	33	33						
NOVARTIS SEEDS INC	2	2						
BOISE ID								
SOYBEANS	2	2						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

18

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
OLEAN SEED COMPANY	1		1		1		1	
OLEAN MO								
FESCUE, TALL	1		1		1		1	
PATRIOT SEEDS	17	17						
BOWEN IL								
CORN, FIELD	2	2						
SOYBEANS	11	11						
WHEAT	4	4						
PAULSMEYER JOE	3	2	1	1				
SILEX MO								
SOYBEANS	1		1	1				
WHEAT	2	2						
PAYMASTER SEEDS	2	2						
LUBBOCK TX								
COTTON	2	2						
PENNINGTON SEED CO	1	1						
MADISON GA								
COWPEA	1	1						
PENNINGTON SEED INC	450	442	8	1	4	1		2
GREENFIELD MO								
MIXED SEED	272	267	5		3			2
BERMUDAGRASS	2	2						
BLUEGRASS, KENTUCKY	44	43	1		1			
FESCUE, RED	11	11						
FESCUE, TALL	69	68	1			1		
LESPEDeza	1	1						
LESPEDeza, KOREAN	1	1						
ORCHARDGRASS	1		1	1				
RYEGRASS, ANNUAL	27	27						
RYEGRASS, PERENNIAL	22	22						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

19

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
PETERSBURG SEED & GRAIN	3	3						
FRANKLIN MO								
WHEAT	3	3						
PFISTER HYBREDS	1	1						
EL PASO IL								
CORN, FIELD	1	1						
PILOT GROVE COOP	1	1						
PILOT GROVE MO								
CLOVER, RED	1	1						
PIONEER HI-BRED INT	48	48						
JOHNSTON IA								
MIXED SEED	2	2						
CORN, FIELD	18	18						
SORGHUM, GRAIN	8	8						
SOYBEANS	18	18						
WHEAT	2	2						
POWELL SEED FARM	4	3	1		1			
LINNEUS MO								
CLOVER, RED	1	1						
TIMOTHY	3	2	1		1			
PROGENY AG PRODUCTS	2	2						
WYNNE AR								
SOYBEANS	2	2						
REEDS SEEDS INC	27	26	1		1		1	
CHILLICOTHE MO								
BLUEGRASS, KENTUCKY	1	1						
BROME, SMOOTH	2	2						
CLOVER, RED	3	3						
FESCUE, TALL	1	1						
LESPEDeza, KOREAN	2	2						
OAT	1		1		1		1	
ORCHARDGRASS	1	1						
RYEGRASS, ANNUAL	1	1						
RYEGRASS, PERENNIAL	1	1						
SOYBEANS	9	9						
TIMOTHY	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

20

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
REEDS SEEDS INC CHILLICOTHE MO WHEAT	4	4						
RENZE HYBRIDS INC CARROLL IA SOYBEANS	3	3						
RESEARCH SEED INC ST JOSEPH MO MIXED SEED	190	171	19	6	11	2		
ALFALFA	48	43	5	1	4			
BLUEGRASS, KENTUCKY	27	27						
BROME, SMOOTH	24	20	4	1	3			
CANARYGRASS, REED	6	4	2			2		
CLOVER, LADINO & WHITE	2	2						
CLOVER, RED	9	8	1		1			
CLOVER, YELLOW SWEET	1	1						
FESCUE	5	3	2	1	1			
FESCUE, RED	5	5						
FESCUE, TALL	25	24	1	1				
ORCHARDGRASS	9	6	3	2	1			
RYEGRASS, ANNUAL	4	4						
RYEGRASS, PERENNIAL	16	16						
SWITCHGRASS	1	1						
TIMOTHY	4	4						
TREFOIL, BIRDSFOOT	2	1	1		1			
RIVER BEND CUSTOM SEED CARROLTON MO WHEAT	2	2						
ROBINSON SEED SERVICE ST LOUIS MO MIXED SEED	11	11						
ROGERS BROTHERS SEED CO BOISE ID VEGETABLE	11	11						
	1	1						
	1	1						



## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

21

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
ROLLISON SEED CO	1	1						
DE WITT AR								
WHEAT	1	1						
S & S SEED CO	14	7	7	3	3	1		
STOCKTON MO								
MIXED SEED	7	2	5	3	2			
CLOVER, LADINO & WHITE	1		1			1		
FESCUE, TALL	2	1	1		1			
ORCHARDGRASS	2	2						
SORGHUM, SUDANGRASS	1	1						
SOYBEANS	1	1						
SEED PRODUCTION INC	3	3						
MADISON GA								
MILLET	2	2						
SORGHUM, SUDANGRASS	1	1						
SEED RESOURCE	1	1						
TULSA TX								
SUNFLOWER	1	1						
SEEDS INC	2	2						
MEMPHIS TN								
BERMUDAGRASS	1	1						
RYEGRASS, ANNUAL	1	1						
SEMINIS VEGETABLE SEEDS	2	2						
OXNARD, CA								
VEGETABLE	2	2						
SEXAUER DISCOUNT FARM SE	2	1	1			1		
BROOKINGS SD								
RYE	2	1	1			1		

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

22

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
SHAWNEETOWN FEED&SEED CO JACKSON MO	9	8	1	1		1		1
BROME, SMOOTH	1	1						
FESCUE, TALL	2	1	1	1		1		1
LESPEDeza, KOREAN	1	1						
ORCHARDGRASS	1	1						
RYEGRASS, ANNUAL	1	1						
RYEGRASS, PERENNIAL	1	1						
SOYBEANS	1	1						
TIMOTHY	1	1						
SHELDON SEED CO SHELDON MO	1	1						
WHEAT	1	1						
SIEMER MANGELSDORF E ST LOUIS IL	15	13	2	1	1			1
MIXED SEED	6	5	1	1				1
FESCUE, TALL	7	6	1		1			
RYEGRASS, PERENNIAL	2	2						
SIKESTON SEED COMPANY SIKESTON MO	5	5						
SOYBEANS	4	4						
WHEAT	1	1						
SMITH BROTHERS FARM SPLY WYACONDA MO	1	1						
SOYBEANS	1	1						
SOMMER BROS SEED CO PEKIN IL	2	2						
CORN, FIELD	1	1						
SOYBEANS	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

23

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
STAR SEED CO	1	1						
BELOIT KS								
OAT	1	1						
STINE SEED FARM INC	46	46						
ADEL IA								
CORN, FIELD	2	2						
SOYBEANS	44	44						
STODDARD CO SEED SERVICE	1	1						
DUDLEY MO								
WHEAT	1	1						
STONEVILLE PEDI. SEED	52	52						
MEMPHIS TN								
COTTON	52	52						
STROBEL FARMS	1	1						
BELL CITY MO								
SOYBEANS	1	1						
STROBEL FARMS SUPPLY	3	3						
CONCORDIA MO								
WHEAT	3	3						
SURE GROW SEED INC	6	6						
CENTRE AL								
MIXED SEED	1	1						
COTTON	5	5						
SYGENTA SEEDS	3	3						
MINNEAPOLIS MN								
CORN, FIELD	2	2						
SOYBEANS	1	1						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

24

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
SYNGENTA SEED INC	1	1						
BOISE ID								
VEGETABLE	1	1						
SYNGENTA SEED INC	2	2						
PARIS ILL								
VEGETABLE	2	2						
TANNER SEED CO	8	8						
BERNIE MO								
RICE	4	4						
SOYBEANS	4	4						
TASSO PRODUCTIONS LTD	2	2						
PLEASANTON TX								
VEGETABLE	2	2						
TAYLOR SEED FARMS	1	1						
WHITE CLOUD KS								
CORN, FIELD	1	1						
TENNESSEE FARMERS CO-OP	1	1						
JACKSON TN								
SORGHUM, GRAIN	1	1						
TENNESSEE FARMERS COOP	30	30						
LA VERGNE TN								
CORN, FIELD	1	1						
SORGHUM, GRAIN	6	6						
SOYBEANS	14	14						
WHEAT	9	9						
TERRA INTL	1		1		1			
CARUTHERSVILLE MO								
MIXED SEED	1		1		1			

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

25

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
TEXAS OKLAHOMA PROD CO	2	2						
ENID OK								
MILLET	1	1						
OAT	1	1						
THORP SEED CO	3	1	2	2				
CLINTON IL								
SOYBEANS	3	1	2	2				
TOBIN STANDARD SEED &	2	2						
KANSAS CITY MO								
FESCUE, TALL	2	2						
TOPCO ASSOCIATES INC	1	1						
ATLANTA GA								
CORN, FIELD	1	1						
TRI-STAR SEED COMPANY	2	2						
SPRING HILL KS								
MIXED SEED	1	1						
FESCUE, TALL	1	1						
TRIUMPH SEED CO INC	1	1						
RALLS TX								
SORGHUM, GRAIN	1	1						
UAP SEED CO	9	9						
GREELEY CO								
SORGHUM, GRAIN	1	1						
SOYBEANS	8	8						
UNITED SUPPLIERS INC	7	7						
ELDORA IA								
SOYBEANS	7	7						

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
VALLEY PARK ELEVATOR	2	1	1		1			
VALLEY PARK MO								
MIXED SEED	2	1	1		1			
W S D A	4	4						
KAHOKA MO								
SOYBEANS	4	4						
W.S.D.A.	18	18						
GARDEN CITY MO								
CORN, FIELD	5	5						
SOYBEANS	8	8						
WHEAT	5	5						
W.S.D.A.	4	4						
KING CITY MO								
SOYBEANS	4	4						
WEBER SEEDS INC	13	13						
MARSHALL MO								
SOYBEANS	7	7						
WHEAT	6	6						
WESTERN HIBRID SEED INC	1	1						
HAMILTON CITY CA								
VEGETABLE	1	1						
WILBUR ELLIS CO	3	3						
FRESNO, CA								
COTTON	3	3						
WILLIAMS LAWN SEED CO	87	82	5	2	3			1
MARYVILLE MO								
MIXED SEED	13	13						
BLUEGRASS	2	2						
BLUEGRASS, KENTUCKY	16	13	3		3			
FESCUE	7	7						
FESCUE, RED	5	5						
FESCUE, TALL	31	29	2	2				1
RYEGRASS, ANNUAL	4	4						
RYEGRASS, PERENNIAL	9	9						

## SUMMARY OF COMPLIANCE WITH CONTENT CLAIMS BY COMPANY

27

COMPANY & ADDRESS	NO OF LOTS INSPECTED	LOTS PASSED	LOTS IN VIOLATION	TYPE OF VIOLATION				
				PURE SEED	GERMI- NATION	NOXIOUS WEEDS	PROHIBITIVE WEEDS	OTHER
WILSON HYBRIDS INC	1	1						
HARLAN IA								
CORN, FIELD	1	1						
WYFFELS HYBRIDS INC	1	1						
ATKINSON IL								
CORN, FIELD	1	1						
TOTAL SAMPLES----->	3358	3207	151	51	71	25	4	22
AVERAGES-----	100	96	4	2	2	1		1

## **SECTION TWO**

### **VIOLATIONS OF SEED LOTS FOR REASONS OTHER THAN CONTENT CLAIMS**



## VIOLATIONS ON SEED LOTS FOR REASONS OTHER THAN CONTENTS CLAIMS

Company	Reason Field Written Stop Sale was Issued	Number of Violations
Buchheit of Jackson, Inc (157074) Jackson, MO	Out of test date No test date on label No label	3 2 2
Buchheit of Perryville (157046) Perryville, MO	Out of test date No label	32 14
MFA Agri Service (109026) Aurora, MO	Out of test date	7
MFA Agri Service (117005) Chillicothe, MO	Out of test date	5
MFA Agri Service (205006) Clarence, MO	Out of test date No label	4 2
MFA Inc (019009) Columbia, MO	No label	1
Orscheln Farm & Home (175020) Moberly, MO	Out of test date	4